



PCT/JP03/10702

		101/01	05/10/02	
A. CLASS Int.	IFICATION OF SUBJECT MATTER C1 ⁷ H03M1/66, H03B28/00, G01S7	/282, G01S7/35, G01S13,	/34	
According to	International Patent Classification (IPC) or to both na	tional classification and IPC		
B. FIELDS	SEARCHED			
Minimum do	ocumentation searched (classification system followed I	by classification symbols)		
Int.	Cl ⁷ H03M1/00-H03M1/88, H03B28/ G01S13/34	00, G01\$7/282, G01\$7/3	ō,	
Documentat	ion searched other than minimum documentation to the	extent that such documents are included	in the fields searched	
Jitsu Kokai	yo Shinan Koho 1926-1996 Jitsuyo Shinan Koho 1971-2003	Toroku Jitsuyo Shinan Koh Jitsuyo Shinan Toroku Koh	o 1994-2003 o 1996-2003	
Electronic d	ata base consulted during the international search (name	e of data base and, where practicable, sea	rch terms used)	
	·			
C. DOCUI	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where ap		Relevant to claim No.	
Х	Microfilm of the specificatio	n and drawings annexed	1,2 4-6	
Y	to the request of Japanese Uti No. 42717/1989(Laid-open No.	134723/1990)	3	
A	(Yokogawa Electric Corp.),	134,23,1330,		
	08 November, 1990 (08.11.90),			
	Full text; all drawings	•		
	(Family: none)			
X Y A	JP 61-144930 A (Hitachi, Ltd 02 July, 1986 (02.07.86), Full text; all drawings	.),	1,2 4-6 3	
	(Family: none)			
]			•	
	·	!		
Further documents are listed in the continuation of Box C. See patent family annex.				
Special categories of cited documents: "T' later document published after the international filing date or				
"A" document defining the general state of the art which is not priority date and not in conflict with the application but cited to considered to be of particular relevance understand the principle or theory underlying the invention				
"E" carlier date	document but published on or after the international filing	"X" document of particular relevance; the considered novel or cannot be considered.		
"L" docum	ent which may throw doubts on priority claim(s) or which is	step when the document is taken alon "Y" document of particular relevance; the	c	
specia	o establish the publication date of another citation or other I reason (as specified)	considered to involve an inventive ste	p when the document is	
"O" docum	"O" document referring to an oral disclosure, use, exhibition or other			
"P" docum	nent published prior to the international filing date but later ne priority date claimed	"&" document member of the same patent	family	
Date of the actual completion of the international search Date of mailing of the international search report				
26 N	November, 2003 (26.11.03)	uy becember, 2003	(09.12.03)	
Name and	nailing address of the ISA/	Authorized officer		
Name and mailing address of the ISA/ Japanese Patent Office				
Facsimile		Telephone No.		

Facsimile No.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/10702

ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 11-168325 A (Sony Corp.), 22 June, 1999 (22.06.99), Column 1, line 50 to column 2, line 24; column 6, lines 31 to 48; column 12, line 34 to column 14, line 39; column 15, line 26 to column 16, line 9; Figs. 5, 6	. 4-6
	(Family: none)	
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